Aviation Week

and Space Technology

August 8, 1960

Avionic Industry Probes Nuclear Pulse Radiation

NASA Wind Tunnel Tests GE Lift-Fan



Lift-Fan Tests Show VTOL Potential





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The combination of high reliability and estable eccuracy make the 2030-

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Sept 85-200 Egent and Openions (Costernal on page 6)

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Report No. 8 WR 2000 Computer Module Test Set

Our new WR 2000 test not automotive the tests "black bust" modtier butter electrical imputs and suspents 21 in presently borry used to test modeles of several different comparer systems board remered bractions to the modules are obtained from a S-place suffer transferred and are extended by represented though a with the versalists seemired in best a wide range of airborne unctions for each apput command are possible for each worlds Yall SMA led not on the operating by statistical magniferance personnel, and its owers is occurring of menualizated ranges from 0.00 to 0.20% of full scale, depending on type of test performed.

Physical Characteristics

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For supre information and consists operation specifications write or ware 504/1 index. Address your inquiry to Sturkey M. Irgered!, Capabilities Engineer,



AVAILER WELL August 5, 1840



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Looking for a subcontractor with real serve "survy"? ... THEN TAXE A GOOD CLOSE LOOK AT THE SERVO COMPONENTS DEPLAYED HERE



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A New Galexy in Electronics and Aerospace Activity

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The art of precise detection

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Aviation Week

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EDITORIAL

Global Television Program

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Nikita Khosheher.

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Industry Activity

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purposed resources to do this job properly. We strendly sider organizing a point effort to enable the United States to some a treb significant first an upper technology and to provide the world with a new communications instead of currents social secretaines. It is an effort well worth coskyar

which it mucht be done. ... Robert Blets



Plastic fastened to metal firm and weather-tight with RIVNUTS

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B.F.Goodrich Bivnuts

WHO'S WHERE

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INDUSTRY OBSERVER

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▶ Bieth, Airenff, Corp's Arrapoce Devision has unknowled design of a Mach 3 drees, using company hands
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► Screech Steam C-I vehicle, reheduled to be humahed in 1913, will be the first to have law S-IV and S-V streps and to have reheld spoulding. On the first three C-I flights, Radicallypus II-I requires in the S-I study will be operated at 195,000 in them to provide 1-3 stalling in total them. Next three otherica will develop 1-5 stalling in the SI stage and will have a line-IV.

Beeing Aupliere Co.'s Aconquee Direction is scheduled to evaluate bith this amount for work or for Form Plant 77, the Manazonian ICBM assembly after at Hall AVER, Orbit. Work includes new buildings, redublishmen of sidbuildings, reads and services.

LIBRASCOPF a variety of computer systems are currently in different status. of design and condection. Some one strategically involved with national delense...others deal with business and industrial process control. Each is uniquely designed to answer a merticular need. The success of these systems illustrates the value of Librascope's engineering philosophy: A decentralized organization of spe-

and harbed on he expellent research, service, and ities. For your commuter maximuments, call on the community of diversification in computer technology is unsurpassed. Division, General Precision, Inc., 808 Western Avenue, Per career opportunities wrate to John Schmidt, Engineering







computers that pace man's expanding mind



Washington Roundup

Deforms in Politics

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Space Symposium

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Failure Delays Mercury Launch Goals

Be Edward H. Kokum

Waterton-National According U.S. reserved satellite printers tolyer, since NASA will not attended Gerl recessa comble because the

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George M. Lou, third of NASA+

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Military Sees Firm Need for Aircraft

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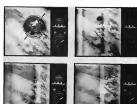
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By Philip 1, Kless

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Polaris Test Vehicle Destroyed After Flying Off Planned Course

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the VERTOL 107-the all-



service, all-mission helicopter





THE MILITI-TURBINE POWERED. TANDEM-ROTOR VERTOL 107

was designed around the specific requirements of the Arms. Nevy and Air Force-the first truly all mission, all service helicopter ever built

The VERTOL 107 prototype recently demonstrated its all-service compatibility to European military leaders during a 16 week tour. The all-weather 107, with its atmost tin near loading ramo, pulckly loaded cares of many different types and sizes - made numerous. water landings and take-offs - crowed its entir

handling, but performance, and stability to clients of all three services and to commercial occustors. Today's most advanced furbine-powered helicovier -the VERTOL 107 Model II-is unbering in a new era of air mobility for today's military and commercial goenitions-offers mobility and performance unequalled by any other helicopter.





Tory IIA Reactor Scheduled for November Test

Your SIA manufactual strates, the first to be tested to the Air Price Propost Plate modes manget program (AW, June 28, p. 206), or arounted on a militard can for test scheduled in Nevember at the Aleese Energy Community's Nevada test rate. Exhance mouth for increased on a related on the fore-resonance or recovering at the saleste energy Communities. Notices were seen, control notice for in primary from the matter in region up 14 day, at right. As well flow through the reductor the resonant about 1,000 th from and at promets up to those exceeded during Week 3 right at ten level. Toy IIA is nated at 140 respectite, and the follow on furnishing man of the Tay SIC spector will be 600 magnesian. Tay SIC is in the decay slags and in scheduled for last in the sameny of 1962. It will have many characteristics of a fight weight exerter, with providing made for management and acceleration back-

X-15 No. 1, fitted with interna NER 1 erech 1 on Scot. 22, 1950. Lookhood Aircroft Corp. and Martin

Federal Assistion Agency serious on

Defense Department and National

Defense Department News Digest Revises Security Rules

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AIR TRANSPORT

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FAA Negotiates Sharp Reduction In Military Airspace Restriction

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La Guardia Safety Survey by Pilots May Determine Cutback Demands

By David H. Hofman Countitrion and Dourle DC % new New York-An order what' survey weather and export facilities—are faceshie At La Gundia such is not often

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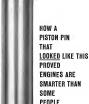
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SHORTLINES

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AVAILON WEEK, Aspec E. 1910



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AWARDN WEEK, Award 6, 1910

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CL-44 Fuselage Section Mounted in Water Tank

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ANATON WITH BOOK 5 1849



Caroline CL-14 Served Society serion as mounted to water took at Montani, Casolo, writen a continued from central heitheads to simulate the effect of a year or fight

Douglas Offers New Caravelle Version

New York-Douglas Assent: Co. Rolls Rosce Ribbel 31-A bytess marger. VIII These vectors will be 7 ft. 4 in longer than the 105 ft long Caro-

65 persongen in agreest 64 in the Con-Corprelie Speeds, Russe Manness speed of the Convelle VII and VIII of 535 mph, it is suph

6.400 for the Carrielle VIII and 6.450 binets are 4,500 ft for the VI and Meximum green weight of the Gen. ent Electrinoparent Canada VII a represed in the latest secondarions.

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AVIATION WITE Acres 6, 1969

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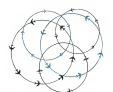
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The test savegore also percented a demonstration of Occasiol Electricity percently to see and hear General Elec- 46-loss hydroxic constant-speed drive The tour was a continuation of first tests began in Fabroury, 1966. C.E are electroni generators. The two next about the PB-55 are the cuits entires proposed the modified \$55.06. which completed General Electrical earlier surbaiet flubt sest program. The All-fee markets the free arrestly powering the RSS-60 are scheduled to end Riestric's Cornvelle VII. Other members of O.E.'s growing aftern pent over streight tarboact engines cound threst-sizes CF750 and the to a 1900 feet reduce and three leve-Reaso, the RD-56 returned home to

to Andrews AFB in Workington, D. C. on enhancing test progress.

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GAM-72 "Queil" Decay Missile EGUN APPLIA Systems for Comhunds of those McDonnell GAM'72 "Quee" decay missies into free fight over the Trito Golf Taxt Money off the The train is not provided the first true a SAC even has bissolved more thus one "Quad" at the same time a General Blocking 365 set engine, in or approal needs as the bomb buy of



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o "bist" on energy radar screens like 25-52D's will be equipped with several GAM-72 "Qual" as well as two power-

surface missibes.

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Ascent is meting a Correctle VII At Edwards Air Force Boxe, Caluwere of a flight test XP6D Associated At Cassonati, Obso, static load testing of a -23C has described the segmes capability to support the Cera-

Electric's Postsias, Ohn, Sanitz, con-For additional Consents VII informs

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General Electric's Small Engines Proving Versatile Power Source for VTOL Development MORETT ATE COLUMN versely of BAGNASSES-M State assession com-

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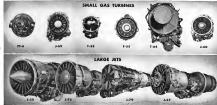
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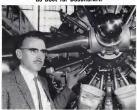
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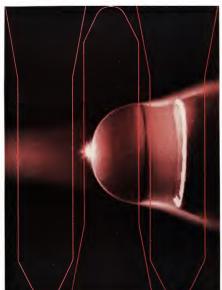
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Blasting new materials to make missile nose cones. The first ICBM nose cone ever to be recovered after flight was protected by a new, high-temperature material. Its name: Avcoite, Its construction: specially reinforced ceramic. Avcoite was the first of a family of new heat-shielding materials. They were developed for rentering nose cones and satellites by Avco's Research and Advanced Development Division. Newest addition to this materials family is Avcoat, a plastic heat-shield here ablating smoothly in a hydrogen-oxygen jet simulating satellite re-entry temperatures.

Avco